

FORM PTO-1390  
(REV. 11-2000)

U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE

ATTORNEY'S DOCKET NUMBER

564131/0016

TRANSMITTAL LETTER TO THE UNITED STATES  
DESIGNATED/ELECTED OFFICE (DO/EO/US)  
CONCERNING A FILING UNDER 35 U.S.C. 371

U.S. APPLICATION NO. (If known, see 37 CFR 1.5)

09/763394

INTERNATIONAL APPLICATION NO.

PCT/JP99/04396

INTERNATIONAL FILING DATE

13 August 1999

PRIORITY DATE CLAIMED

21 August 1998

TITLE OF INVENTION

VISIBLE-RADIATION ACTIVATING TYPE PHOTOCATALYST AND METHOD FOR PRODUCING THE SAME

APPLICANT(S) FOR DO/EO/US

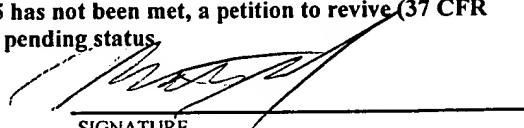
SHINICHIRO SUGIHARA

Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:

1. ☒ This is a **FIRST** submission of items concerning a filing under 35 U.S.C. 371.
2. ☐ This is a **SECOND** or **SUBSEQUENT** submission of items concerning a filing under 35 U.S.C. 371.
3. ☐ This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below.
4. ☒ The US has been elected by the expiration of 19 months from the priority date (Article 31).
5. ☒ A copy of the International Application as filed (35 U.S.C. 371(c)(2))
  - a. ☐ is attached hereto (required only if not communicated by the International Bureau).
  - b. ☒ has been communicated by the International Bureau.
  - c. ☐ is not required, as the application was filed in the United States Receiving Office (RO/US).
6. ☒ An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)).
  - a. ☒ is attached hereto.
  - b. ☐ has been previously submitted under 35 U.S.C. 154(d)(4).
7. ☐ Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3))
  - a. ☐ are attached hereto (required only if not communicated by the International Bureau).
  - b. ☐ have been communicated by the International Bureau.
  - c. ☐ have not been made; however, the time limit for making such amendments has NOT expired.
  - d. ☒ have not been made and will not be made.
8. ☐ An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371 (c)(3)).
9. ☐ An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)).
10. ☐ An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).

## Items 11 to 20 below concern document(s) or information included:

11. ☐ An Information Disclosure Statement under 37 CFR 1.97 and 1.98.
12. ☐ An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.
13. ☒ A **FIRST** preliminary amendment.
14. ☐ A **SECOND** or **SUBSEQUENT** preliminary amendment.
15. ☐ A substitute specification.
16. ☐ A change of power of attorney and/or address letter.
17. ☐ A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 35 U.S.C. 1.821 - 1.825.
18. ☐ A second copy of the published international application under 35 U.S.C. 154(d)(4).
19. ☐ A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).
20. ☒ Other items or information: Combined Declaration & Power of Attorney (unexecuted); Request\* & Fee Calculation Sht\*; PCT/IB/308; PCT/IB/332; PCT/IB/301; PCT/IB/304; Published International Application W000/10706\* w/ Search Report\*; Written Opinion (6/6/00\* & 10/3/00\*); PCT/IPEA/409 (IPER)\*; Amended Claims & English Translation; Cert. of Mailing - Express Mail(1pg)  
\* = Japanese-language document

U.S. APPLICATION NO. <b>09/763394</b> INTERNATIONAL APPLICATION NO. PCT/JP99/04396		ATTORNEY'S DOCKET NUMBER 564131/0016			
21. <input checked="" type="checkbox"/> The following fees are submitted: <b>BASIC NATIONAL FEE (37 CFR 1.492 (a) (1) - (5)):</b> Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO. .... \$1000.00  International preliminary examination fee (37 CFR 1.482) not paid to USPTO but International Search Report prepared by the EPO or JPO ..... \$860.00  International preliminary examination fee (37 CFR 1.482) not paid to USPTO but international search fee (37 CFR 1.445(a)(2)) paid to USPTO ..... \$710.00  International preliminary examination fee (37 CFR 1.482) paid to USPTO but all claims did not satisfy provisions of PCT Article 33(1)-(4) ..... \$690.00 International preliminary examination fee (37 CFR 1.482) paid to USPTO and all claims satisfied provisions of PCT Article 33(1)-(4) ..... \$100.00 <b>ENTER APPROPRIATE BASIC FEE AMOUNT =</b>		<b>CALCULATIONS PTO USE ONLY</b>         <table style="width:100%; border: none;"> <tr> <td style="width:50%; border: none;">\$860.00</td> <td style="width:50%; border: none;"></td> </tr> </table>		\$860.00	
\$860.00					
Surcharge of \$130.00 for furnishing the oath or declaration later than <input type="checkbox"/> 20 <input type="checkbox"/> 30 months from the earliest claimed priority date (37 CFR 1.492(e)).		<table style="width:100%; border: none;"> <tr> <td style="width:50%; border: none;">\$</td> <td style="width:50%; border: none;"></td> </tr> </table>		\$	
\$					
CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE		
Total claims	40 - 20 =	20	x \$18.00		
Independent claims	9 - 3 =	6	x \$80.00		
MULTIPLE DEPENDENT CLAIM(S) (if applicable)			+ \$270.00		
<b>TOTAL OF ABOVE CALCULATIONS =</b>			\$1700.00		
<input checked="" type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above are reduced by 1/2.			+ \$850.00		
<b>SUBTOTAL =</b>			\$850.00		
Processing fee of \$130.00 for furnishing the English translation later than <input type="checkbox"/> 20 <input type="checkbox"/> 30 months from the earliest claimed priority date (37 CFR 1.492(f)).			\$		
<b>TOTAL NATIONAL FEE =</b>			\$850.00		
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property +			\$		
<b>TOTAL FEES ENCLOSED =</b>			\$850.00		
			Amount to be refunded: \$		
			charged: \$		
a. <input type="checkbox"/> A check in the amount of \$ _____ to cover the above fees is enclosed.  b. <input checked="" type="checkbox"/> Please charge my Deposit Account No. <u>19-4709</u> in the amount of <u>\$850.00</u> to cover the above fees. A duplicate copy of this sheet is enclosed.  c. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. <u>19-4709</u> . A duplicate copy of this sheet is enclosed.  d. <input type="checkbox"/> Fees are to be charged to a credit card. <b>WARNING:</b> Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.					
<b>NOTE:</b> Where an appropriate time limit under 37 CFR 1.494 or 1.495 has not been met, a petition to revive (37 CFR 1.137 (a) or (b)) must be filed and granted to restore the application to pending status.					
SEND ALL CORRESPONDENCE TO:  Matthew W. Siegal, Esq. Stroock & Stroock & Lavan LLP 180 Maiden Lane New York, NY 10038					
			SIGNATURE  _____ NAME Matthew W. Siegal _____ 32,941 REGISTRATION NUMBER		

FILED IN THE OFFICE OF THE COMMISSIONER OF PATENTS AND TRADEMARKS

09/763394

## CERTIFICATE OF MAILING BY "EXPRESS MAIL" (37 CFR 1.101)

Applicant(s): Shinichiro Sugihara

Docket No.  
564131/0016

Serial No. PCT/JP99/04396	Filing Date August 13, 1999	Examiner N/A	Group Art Unit N/A
------------------------------	--------------------------------	-----------------	-----------------------

Invention: **VISIBLE-RADIATION ACTIVATING TYPE PHOTOCATALYST AND METHOD FOR PRODUCING THE SAME**

I hereby certify that the following correspondence:

Transmittal Letter to Designated/Elected Office (2 pgs); English Transl. of Int'l Appln (59 pgs); 3 sheets dwgs; Combined Declaration & Power of Attorney (unexecuted) (3 pgs); Request & Fee Calc Sht (6 pgs); PCT/IB/308; PCT/IB/332; PCT/IB/301; PCT/IB/304; Publ'd Intl. Appln. WO00/10706 w/Search Report; Written Opinion (6/6/00 & 10/3/00); PCT/IPEA/409 (IPER); Amended Claims & English Transl.; Preliminary Amendment (15 pgs)

(Identify type of correspondence)

is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 in an envelope addressed to: The Assistant Commissioner for Patents, Washington, D.C. 20231 on

February 21, 2001

(Date)

David L. Schaeffer

(Typed or Printed Name of Person Mailing Correspondence)

David L. Schaeffer

(Signature of Person Mailing Correspondence)

EL 641 025 975 US

("Express Mail" Mailing Label Number)

Note: Each paper must have its own certificate of mailing.